Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 27 Apr 2023 until 23:59 on Friday 28 Apr 2023

Forecast Issued on Wednesday 26 Apr 2023 at 14:54

Confidence: High initially and for the transition to milder conditions. Low confidence for the timing and detail of rain through Thursday, and for the extent of showers over the weekend.

Headline for Thursday 27 Apr 2023: Fine and dry to start. Rain then spreads erratically northwards, heavy at times.

Mountain weather hazards on Thursday 27 Apr 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Partly cloudy (night)	Sunny intervals	Sunny intervals	Cloudy	Heavy Rain	Heavy Rain	Heavy Rain
Precipitation probability							
00%	00%	00%	00%	20%	40%	80%	80%

Forecast for Thursday 27 Apr 2023

Weather: Clear spells initially with some patches of valley frost around dawn. Extensive cloud then building across the park, but likely remaining dry through the morning. Cloud thickening and lowering through the afternoon with frontal rain spreading across the park, turning heavy at times, particularly in the west. Rain likely persisting overnight, but becoming lighter and patchier. Confidence in the timing of this rain and low cloud is currently low.

Chance of cloud-free hill tops above 600m: Over 90%, falling to 30% in the west and 40% in the east through the afternoon.

Low cloud and visibility: Cloud bases well above summits through the morning. Bases are expected to gradually lower as rain spreads across the park, shrouding summits about around 300-400m, perhaps lowering further across western upslopes and during persistent or heavy rainfall. Visibility generally good, but moderate to poor in rain or heavy rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 27 Apr 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	11/17 S	12/17 S	14/22 SE	19/26 SE	21/29 SE	21/30 SE	20/30 SE	21/31 SE	14/20 SE
300	9/16 SE	7/13 SE	8/14 SE	15/22 SE	17/27 SE	17/27 SE	17/29 SE	16/27 E	10/17 E
Valley	5/12 SE	6/11 E	7/13 E	11/21 SE	14/27 SE	13/26 SE	13/27 E	13/27 E	9/19 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/0	4/1	4/0	5/0	6/2	6/1	5/0	5/-1	6/2
300	6/3	6/3	6/3	8/4	9/6	8/5	8/4	7/3	8/5
Valley	6/4	6/3	6/4	9/6	10/8	9/6	8/5	8/4	8/6
Freezing Level*	1100m	1000m	1100m	1100m	1400m	1700m	1800m	2200m	2100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

After a largely fine morning, deteriorating conditions pose a hazard to walkers. Waterproofs may become soaked for a while as rain turns heavy or persistent. Some watercourses may become swollen.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Tue 25 Apr 2023	0mm	2.6mm	3.8mm

Forecast for Friday 28 Apr 2023

Weather: Rain likely easing overnight, with patchy cloud, rain and drizzle gradually clearing from the west. Bright or sunny spells becoming widespread through the afternoon, remaining clear and dry overnight. Winds falling light.

Maximum wind: Northwesterly 15-20mph, easing 5-10mph later.

Chance of cloud-free hill tops above 600m: 40%, becoming above 90% by the afternoon.

Low cloud and visibility: Low cloud may shroud higher hills above 500m through the morning, lifting clear of summits as rain clears. Visibility moderate to poor in rain and drizzle, becoming very good.

Temperature: **Valleys:** Plus 8 Celsius rising to Plus 13 Celsius.
At 600m: Plus 6 Celsius rising to Plus 11 Celsius.
Freezing level: Above the summits.

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